LineUp With Math™ Alignment
Idaho Achievement Standards
Mathematics 2-1-06

Standard 1: Number and Operation

Goal 1.1: Understand and use numbers.

Objective(s)	*LineUp With Math*™ Activities
7.M.1.1.6 Recognize pertinent information for problem-solving (328.01.b)	--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

Goal 1.2: Perform computations accurately

Objective(s)	*LineUp With Math*™ Activities
7.M.1.2.6 Use a variety of strategies including common mathematical formulas to compute problems drawn from real life situations. (328.01.a)	--Explore and apply a variety of strategies to optimize the solution of air traffic control conflicts. --Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

Goal 1.3: Estimate and judge reasonableness of results.

Objective(s)	*LineUp With Math*™ Activities
7.M.1.3.1 Estimate to predict computation results. (317.03 a)	--Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.

Standard 2: Concepts and Principles of Measurement

Goal 2.1: Understand and use customary and metric measurements.

Objective(s)	*LineUp With Math*™ Activities
7.M.2.1.1 Select and use appropriate units and tools to make formal measurements in both systems. (329.01.a)	--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.
7.M.2.1.2 Apply estimation of measurement to real-world and content problems using standard measuring devices. (329.01.b)	--Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.

Goal 2.2: Apply the concepts of rates, ratios, and proportions.	
Objective(s) **7.M.2.2.1** Explain rates and their relationship to ratios, and use proportions to solve problems represented with a diagram. (329.02.a)	***LineUp With Math™* Activities** --Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.
7.M.2.2.2 Reduce rates to unit rates.	--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

Standard 3: Concepts and Language of Algebra and Functions	
Goal 3.4: Understand the concept of functions.	
Objective(s) **7.M.3.4.2** Explain how a change in one quantity impacts a change in another quantity. (333.01.b)	***LineUp With Math™* Activities** --Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control. --Identify and resolve distance, rate, time conflicts in air traffic control problems by varying plane speeds or changing plane routes.